**BRUHAT BANGALORE MAHANAGARA PALIKE**

**NAME OF WORK:Improvements to roads and drains at singapura and sorrounding areas in ward no 11 in Kuvempunagara**

**MEASUREMENT SHEET,**

**FIRST AND FINAL BILL**

| Chainage From | Chainage To | Description of Item | Unit | No | Lengt (m) | Breadth (m) | Depth (m) | Quantity | Rate in RS. | Amount in RS. | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Item No. 01** | | Earthwork excavation by manual means for roadsand, drains and similar works in oridinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of colds complete as per specifications complete as per the directions of the Engineer-in-charge of the work . | | | | | | | | | |
| | | | Cum | | | | | | | | |
| | | **Vide Total Executed Quantity from Pre Measurement Sheet page no.** 1 to 10 | | | | | | 1215.58 | | | |
| | | | | | | | **TOTAL** | 1215.58 | 207.60 | 252354.74 | |
| **Item No. 02** | | Removing and refixing stone slabs of drain and pointing in CM(1:3) complete as per the directions of the Engineer-in-charge of the work . | | | | | | | | | |
| | | | Sqm | | | | | | | | |
| | | **Vide Total Executed Quantity from Pre Measurement Sheet page no.** 11 to 15 | | | | | | 3402.40 | | | |
| | | | | | | | **TOTAL** | 3402.40 | 111.30 | 378686.67 | |
| **Item No. 03** | | Providing granite slabs of selected quality roughly dressed and fixed in cement mortar(1:6) including fixing curing etc and complete as per the directions of the Engineer-in-charge of the work . | | | | | | | | | |
| | | | Sqm | | | | | | | | |
| | | **Vide Total Executed Quantity from Pre Measurement Sheet page no.** 16 to 20 | | | | | | 1213.47 | | | |
| | | | | | | | **TOTAL** | 1213.47 | 742.00 | 900394.74 | |
| **Item no.04** | | Construction of Rolled Cement Concrete mix 1:4:8 OPC cement @180kgs, with 25mm and down size graded granite metal coarse aggregate at 0.85cum and fine aggregates @0.57cum base course with coarse and fine aggregate conforming to IS:383, aggregate cement ratio 12:1 and minimum cement content of 180kg/ cum, aggregate gradation to be as per Table 600-4 after blending, mixing in batching plant at optimum moisture content, transporting to site, laying with a paver with electronic sensor, compacting with 8-10 tonnes smooth wheeled vibratory roller to achieve, the designed flexural strength, finishing and curing complete as per specifications and as per the directions of the Engineer-in-charge of the work . | | | | | | | | | |
| | | | Cum | | | | | | | | |
| | | **Vide Total Executed Quantity from Pre Measurement Sheet page no.** 21 to 25 | | | | | | 60.58 | | | |
| | | | | | | | **TOTAL** | 60.58 | 5408.12 | 327611.20 | |
| **Item no.05** | | Providing and constructing load bearing wall with solid concrete blocks having block density not less than 1800kg/m3 having a minimum average compressive strength of 4.00 N/mm2 confirming to IS 2185 (Part 1):2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials labour charges, scaffolding, curing, hire charges of machineries etc., complete as per specifications. blocks of size 400x200x200mm complete as per specifications and as per the directions of the Engineer-in-charge of the work . | | | | | | | | | |
| | | | Sqm | | | | | | | | |
| | | **Vide Total Executed Quantity from Pre Measurement Sheet page no.** 26 to 30 | | | | | | 1766.94 | | | |
| | | | | | | | **TOTAL** | 1766.94 | 1019.72 | 1801779.98 | |
| **Item no.6** | | Providing and laying in position plain cement concrete of mix 1:2:4 with OPC cement @ 240kgs, with 40mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregates @ 0.53cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM of machinery, curing complete as per specifications and as per the directions of the Engineer-in-charge of the work . | | | | | | | | | |
| | | | Sqm | | | | | | | | |

Asst. Executive Engineer
Byatarayanapura Sub-Division

Assistant Engineer

Assistant Executive Engineer

**BRUHAT BANGALORE MAHANAGARA PALIKE**

**NAME OF WORK:Improvements to roads and drains at singapura and sorrounding areas in ward no 11 in Kuvempunagara**

**MEASUREMENT SHEET**

**FIRST AND FINAL BILL**

| Chainage From | Chainage To | Description of Item | Unit | No | Lengt (m) | Breadth (m) | Depth (m) | Quantity | Rate in RS. | Amount in RS. | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | **Vide Total Executed Quantity from Pre Measurement Sheet page no. 31 to 35** | | | | | | **53.85** | | | |
| | | | | | | | **TOTAL** | **53.85** | **5747.32** | **309474.79** | |
| **Item no.7** | | Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications and as per the directions of the Engineer-in-charge of the work . | | | | | | | | | |
| | | | Cum | | | | | | | | |
| | | **Vide Total Executed Quantity from Pre Measurement Sheet page no. 36 to 36** | | | | | | **15.64** | | | |
| | | | | | | | **TOTAL** | **15.64** | **5505.64** | **86119.22** | |
| **Item no.8** | | Providing and laying in position reinforced cement concrete of Design mix M20 with OPC cement @ 300kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.430 cum, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including cost of all materials, labour, HOM of machinery, curing, complete as per specifications and as per the directions of the Engineer-in-charge of the work . | | | | | | | | | |
| **Measurements Taken On :** | | | | | | | | | | | |
| | | **Singapura layout** | | | | | | | | | |
| | | **6th cross** | | | | | | | | | |
| | | Bottom Raft | | | | | | | | | |
| | | L H S | | | | | | | | | |
| 0 | 5.2 | | Cum | 1 | 5.20 | 0.90 | 0.15 | 0.70 | | | |
| 5.2 | 9.3 | | Cum | 1 | 4.10 | 0.90 | 0.15 | 0.55 | | | |
| 34.4 | 46.4 | | Cum | 1 | 12.00 | 0.90 | 0.15 | 1.62 | | | |
| 59 | 70.6 | | Cum | 1 | 11.60 | 0.90 | 0.15 | 1.57 | | | |
| | | R H S | | | | | | | | | |
| 0 | 8.6 | | Cum | 1 | 8.60 | 0.90 | 0.15 | 1.16 | | | |
| 12.2 | 15 | | Cum | 1 | 15.00 | 0.90 | 0.15 | 2.03 | | | |
| 15 | 16.5 | | Cum | 1 | 1.50 | 0.90 | 0.15 | 0.20 | | | |
| 18 | 33 | | Cum | 1 | 15.00 | 0.90 | 0.15 | 2.03 | | | |
| 33 | 36.4 | | Cum | 1 | 3.40 | 0.90 | 0.15 | 0.46 | | | |
| 36.4 | 51.4 | | Cum | 1 | 15.00 | 0.90 | 0.15 | 2.03 | | | |
| 51.4 | 54.8 | | Cum | 1 | 3.40 | 0.90 | 0.15 | 0.46 | | | |
| | | Side wall | | | | | | | | | |
| | | L H S | | | | | | | | | |
| 0 | 5.2 | | Cum | 2 | 5.20 | 0.15 | 0.75 | 1.17 | | | |
| 5.2 | 9.3 | | Cum | 2 | 4.10 | 0.15 | 0.75 | 0.92 | | | |
| 34.4 | 46.4 | | Cum | 2 | 12.00 | 0.15 | 0.60 | 2.16 | | | |
| 59 | 70.6 | | Cum | 2 | 11.60 | 0.15 | 0.60 | 2.09 | | | |
| | | R H S | | | | | | | | | |
| 0 | 8.6 | | Cum | 2 | 8.60 | 0.15 | 0.65 | 1.68 | | | |
| 12.2 | 15 | | Cum | 2 | 15.00 | 0.15 | 0.65 | 2.93 | | | |
| 15 | 16.5 | | Cum | 2 | 1.50 | 0.15 | 0.65 | 0.29 | | | |
| 18 | 33 | | Cum | 2 | 15.00 | 0.15 | 0.60 | 2.70 | | | |
| 33 | 36.4 | | Cum | 2 | 3.40 | 0.15 | 0.60 | 0.61 | | | |
| 36.4 | 51.4 | | Cum | 2 | 15.00 | 0.15 | 0.60 | 2.70 | | | |

Asst. Executive Engineer,
Byatarayanapura Sub-Division

BANGALORE

**BRUHAT BANGALORE MAHANAGARA PALIKE**

**NAME OF WORK:Improvements to roads and drains at singapura and sorrounding areas in ward no 11 in Kuvempunagara**

**MEASUREMENT SHEET**

**FIRST AND FINAL BILL**

| Chainage From | Chainage To | Description of Item | Unit | No | Lengt (m) | Breadth (m) | Depth (m) | Quantity | Rate in RS. | Amount in RS. | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 51.4 | 54.8 | | Cum | 2 | 3.40 | 0.15 | 0.60 | 0.61 | | | |
| | | | | | | | | **30.66** | **7070.20** | **216751.12** | |
| **Item no.9** | | Providing TMT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, palcing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining memebrs wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. and as per the directions of the Engineer-in-charge of the work . | | | | | | | | | |
| | | | tonne | | | | | | | | |
| | | **Vide Total Executed Quantity from Pre Measurement Sheet page no.** 37 to 37 | | | | | | 1.84 | | | |
| | | | | | | | **TOTAL** | **1.84** | **72326.98** | **133039.69** | |
| **Item no.10** | | Precast slab 20mm and down size for slab (including steel reinforcement) including centring and shuttering machine mixed concrete laid in layers not exceeding 15cms thick well compacted cost of all materials labour HOM of machineries curing complete as per specifications C : C 1:1.5:3 Including all cost of material (DATA RATE ENCLOSED) 10cm thick RCC pre cast slab. and as per the directions of the Engineer-in-charge of the work . | | | | | | | | | |
| **Measurements Taken On :** | | | | | | | | | | | |
| | | **Cover slab** | | | | | | | | | |
| | | Singapura layout | | | | | | | | | |
| | | 2nd main road | | | | | | | | | |
| | | **R H S** | | | | | | | | | |
| 0 | 15 | | Sqm | 1 | 15 | 0.9 | | 13.50 | | | |
| 15 | 25.3 | | Sqm | 1 | 10.3 | 0.9 | | 9.27 | | | |
| 30.4 | 34 | 25.3 to 30.4 no slab | Sqm | 1 | 3.6 | 0.9 | | 3.24 | | | |
| 53.8 | 62.5 | 34 to 53.8no slab | Sqm | 1 | 8.7 | 0.9 | | 7.83 | | | |
| 62.5 | 81.5 | | Sqm | 1 | 19 | 0.9 | | 17.10 | | | |
| 81.5 | 96.5 | | Sqm | 1 | 15 | 0.9 | | 13.50 | | | |
| 96.5 | 104.9 | 104.9 to 143.4 no slab | Sqm | 1 | 8.4 | 0.9 | | 7.56 | | | |
| 143.4 | 147.6 | 147.6 to 150.6 no slab | | | | | | | | | |
| 150.9 | 156.6 | | Sqm | 1 | 5.7 | 0.9 | | 5.13 | | | |
| 156.6 | 171.6 | | Sqm | 1 | 15 | 0.9 | | 13.50 | | | |
| 171.6 | 186.6 | | Sqm | 1 | 15 | 0.9 | | 13.50 | | | |
| 186.6 | 191.9 | 191.9 to 199.3no slab | Sqm | 1 | 5.3 | 0.9 | | 4.77 | | | |
| 199.3 | 206.7 | 206.7to 210.7 no slab | Sqm | 1 | 7.4 | 0.9 | | 6.66 | | | |
| 210.7 | 225.7 | | | | | | | | | | |
| 225.7 | 232.4 | 232.4 to 236.4 no slab | | | | | | | | | |
| 236.4 | 250.4 | 250.4 to 277.6 no slab | Sqm | 1 | 14 | 0.9 | | 12.60 | | | |
| 277.6 | 292.6 | | Sqm | 1 | 15 | 0.9 | | 13.50 | | | |
| 292.6 | 305.6 | 305.6 to 308.6 no slab | Sqm | 1 | 13 | 0.9 | | 11.70 | | | |
| 308.6 | 312.4 | | Sqm | 1 | 3.8 | 0.9 | | 3.42 | | | |
| 348.1 | 354.1 | 312.4 to348.1 no slab | Sqm | 1 | 6 | 0.9 | | 5.40 | | | |
| 0 | 0 | **L H S** | | | | | | | | | |
| 22.7 | 28.7 | 0 to 22.7 no slab | Sqm | 1 | 6 | 0.9 | | 5.40 | | | |
| 32.7 | 47.7 | 28.7to 32.7 no slab | Sqm | 1 | 15 | 0.9 | | 13.50 | | | |
| 47.7 | 60.5 | 60.5 to 64.5 no slab | Sqm | 1 | 12.8 | 0.9 | | 11.52 | | | |
| 64.5 | 79.5 | | Sqm | 1 | 15 | 0.9 | | 13.50 | | | |
| 79.5 | 85 | 85 to 101.4 no slab | Sqm | 1 | 5.5 | 0.9 | | 4.95 | | | |
| 101.4 | 110.7 | | Sqm | 1 | 9.3 | 0.9 | | 8.37 | | | |
| 121.7 | 136.7 | 110.7 to 121.7 no slab | Sqm | 1 | 15 | 0.75 | | 11.25 | | | |
| 146 | 161 | | Sqm | 1 | 15 | 0.9 | | 13.50 | | | |

Asst. Executive Engineer
Byatarayanapura Sub-Division
KRIDL, BBMP, Bangalore

PRASAD CONSULTANTS BANGALORE

Assistant Engineer

Assistant Executive Engineer

**BRUHAT BANGALORE MAHANAGARA PALIKE**

**NAME OF WORK:Improvements to roads and drains at singapura and sorrounding areas in ward no 11 in Kuvempunagara**

**MEASUREMENT SHEET**

**FIRST AND FINAL BILL**

| Chainage From | Chainage To | Description of Item | Unit | No | Lengt (m) | Breadth (m) | Depth (m) | Quantity | Rate in RS. | Amount in RS. | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 161 | 176 | | Sqm | 1 | 15 | 0.9 | | 13.50 | | | |
| 176 | 179.5 | | Sqm | 1 | 3.5 | 0.9 | | 3.15 | | | |
| 202.6 | 215 | 179.5 to 202.6 no slab | Sqm | 1 | 12.4 | 0.9 | | 11.16 | | | |
| 220 | 233 | 215 to 220 no slab | Sqm | 1 | 13 | 0.9 | | 11.70 | | | |
| 238 | 253 | 233 to 238 no slab | Sqm | 1 | 15 | 0.9 | | 13.50 | | | |
| 253 | 262.8 | 262.8 to 267.8 no slab | Sqm | 1 | 9.8 | 0.9 | | 8.82 | | | |
| 267.8 | 281.4 | 281.4 to 286.4 no slab | Sqm | 1 | 13.6 | 0.9 | | 12.24 | | | |
| 286.4 | 291.2 | 291.2 to 295.2 no slab | Sqm | 1 | 4.8 | 0.9 | | 4.32 | | | |
| 295.2 | 310.2 | | Sqm | 1 | 15 | 0.9 | | 13.50 | | | |
| 310.2 | 325.2 | | Sqm | 1 | 15 | 0.9 | | 13.50 | | | |
| 325.2 | 326.2 | | Sqm | 1 | 1 | 0.9 | | 0.90 | | | |
| 329.2 | 341.2 | 326.2 to 329.2 no slab | Sqm | 1 | 12 | 0.9 | | 10.80 | | | |
| | | **2nd main** | | | | | | | | | |
| | | **cross road 1** | | | | | | | | | |
| | | R H S | | | | | | | | | |
| 0 | 5 | | Sqm | 1 | 5 | 0.9 | | 4.50 | | | |
| 8.3 | 23.3 | 5 to 8.3 no slab | Sqm | 1 | 15 | 0.9 | | 13.50 | | | |
| 23.3 | 26.3 | | Sqm | 1 | 3 | 0.9 | | 2.70 | | | |
| | | L H S | | | | | | | | | |
| 0 | 9 | | Sqm | 1 | 9 | 0.9 | | 8.10 | | | |
| | | **Singapura layout** | | | | | | | | | |
| | | **1st main** | | | | | | | | | |
| | | L H S | | | | | | | | | |
| 0 | 15 | | Sqm | 1 | 15 | 0.9 | | 13.50 | | | |
| 15 | 30 | | Sqm | 1 | 15 | 0.9 | | 13.50 | | | |
| 30 | 35 | | Sqm | 1 | 5 | 0.9 | | 4.50 | | | |
| 46.9 | 57.7 | 35 to 46.9 no slab | Sqm | 1 | 10.8 | 0.9 | | 9.72 | | | |
| 61.5 | 73.5 | 57.7 to 61.5 no slab | Sqm | 1 | 12 | 0.9 | | 10.80 | | | |
| 76.5 | 91.5 | 73.5 to 76.5 no slab | Sqm | 1 | 15 | 0.9 | | 13.50 | | | |
| 91.5 | 97.1 | | Sqm | 1 | 5.6 | 0.9 | | 5.04 | | | |
| 169.9 | 181.8 | 97.1 to 169.9 no slab | Sqm | 1 | 11.9 | 0.9 | | 10.71 | | | |
| 185.8 | 198.3 | 181.8 to 185.8 no slab | Sqm | 1 | 12.5 | 0.9 | | 11.25 | | | |
| 211.8 | 226.8 | 198.3 to 211.8 no slab | Sqm | 1 | 15 | 0.9 | | 13.50 | | | |
| 226.8 | 236.4 | | Sqm | 1 | 9.6 | 0.9 | | 8.64 | | | |
| 241.4 | 254.4 | 236.4 to 241.4 no slab | Sqm | 1 | 13 | 0.9 | | 11.70 | | | |
| | | R H S | | | | | | | | | |
| 0 | 7.7 | | Sqm | 1 | 7.7 | 0.9 | | 6.93 | | | |
| 17.5 | 26.5 | 7.7 to 17.5 no slab | Sqm | 1 | 9 | 0.9 | | 8.10 | | | |
| 36.1 | 38 | 26.5 to 36.1 no slab | Sqm | 1 | 1.9 | 0.9 | | 1.71 | | | |
| 42 | 45.5 | 38 to 42 no slab | | | | | | | | | |
| 49.5 | 52.5 | 45.5 to 49.5 no slab | Sqm | 1 | 3 | 0.9 | | 2.70 | | | |
| 61.7 | 70.7 | 52.5 to 61.7no slab | Sqm | 1 | 9 | 0.9 | | 8.10 | | | |
| 133.1 | 142.4 | 70.7 to 133.1 no slab | Sqm | 1 | 9.3 | 0.9 | | 8.37 | | | |
| 151.2 | 160.5 | 142.4 to 151.2 no slab | Sqm | 1 | 9.3 | 0.9 | | 8.37 | | | |
| 160.5 | 175.5 | | Sqm | 1 | 15 | 0.9 | | 13.50 | | | |
| 175.5 | 190.5 | | Sqm | 1 | 15 | 0.9 | | 13.50 | | | |
| 190.5 | 192.1 | | Sqm | 1 | 1.6 | 0.9 | | 1.44 | | | |
| 196.1 | 210.6 | 192.1 to 196.1 no slab | | | | | | | | | |
| 214.6 | 223.2 | 210.6 to 214.6 no slab | Sqm | 1 | 8.6 | 0.9 | | 7.74 | | | |
| 227.2 | 237 | 237 to 241 no slab | Sqm | 1 | 9.8 | 0.9 | | 8.82 | | | |
| 241 | 256 | | Sqm | 1 | 15 | 0.9 | | 13.50 | | | |
| 256 | 262.3 | | Sqm | 1 | 6.3 | 0.9 | | 5.67 | | | |

Asst. Executive Engineer,
Nagarabhavi Sub-Division
BBMP, Bangalore

Contractor

PMC

Assistant Engineer

Assistant Executive Engineer

**BRUHAT BANGALORE MAHANAGARA PALIKE**

**NAME OF WORK:Improvements to roads and drains at singapura and sorrounding areas in ward no 11 in Kuvempunagara**

**MEASUREMENT SHEET**

**FIRST AND FINAL BILL**

| Chainage From | Chainage To | Description of Item | Unit | No | Lengt (m) | Breadth (m) | Depth (m) | Quantity | Rate in RS. | Amount in RS. | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Varadappa layout | | | | | | | | | |
| | | 1st main | | | | | | | | | |
| | | R H S | | | | | | | | | |
| 0 | 15 | | Sqm | 1 | 15 | 0.9 | | 13.50 | | | |
| 15 | 26.9 | | Sqm | 1 | 11.9 | 0.9 | | 10.71 | | | |
| 35.1 | 39.4 | 26.9 to 35.1 no slab | Sqm | 1 | 4.3 | 0.9 | | 3.87 | | | |
| 49.4 | 62.3 | 39.4 to 49.4 no slab | Sqm | 1 | 12.9 | 0.9 | | 11.61 | | | |
| 62.3 | 77.3 | | Sqm | 1 | 15 | 0.9 | | 13.50 | | | |
| 77.3 | 81.9 | | Sqm | 1 | 4.6 | 0.9 | | 4.14 | | | |
| | | L H S | | | | | | | | | |
| 0 | 8.8 | | Sqm | 1 | 8.8 | 0.9 | | 7.92 | | | |
| 14.8 | 29.8 | 8.8 to 14.8 no slab | Sqm | 1 | 15 | 0.9 | | 13.50 | | | |
| 29.8 | 39.6 | | Sqm | 1 | 9.8 | 0.9 | | 8.82 | | | |
| | | 1st main rightside | | | | | | | | | |
| | | 3rd cross | | | | | | | | | |
| | | R H S | | | | | | | | | |
| 0 | 11.2 | | Sqm | 1 | 11.2 | 0.9 | | 10.08 | | | |
| | | L H S | | | | | | | | | |
| 8.8 | 23.8 | 0 to 8.8 no slab | Sqm | 1 | 15 | 0.9 | | 13.50 | | | |
| 23.8 | 38.8 | | Sqm | 1 | 15 | 0.9 | | 13.50 | | | |
| 38.8 | 51.2 | | Sqm | 1 | 12.4 | 0.9 | | 11.16 | | | |
| | | **1st main rightside** | | | | | | | | | |
| | | 2nd cross | | | | | | | | | |
| | | L H S | | | | | | | | | |
| 0 | 10.2 | 10.2 to 14.2 no slab | Sqm | 1 | 10.2 | 0.75 | | 7.65 | | | |
| 14.2 | 18.5 | | | | | | | | | | |
| 18.5 | 30.5 | | Sqm | 1 | 12 | 0.75 | | 9.00 | | | |
| 30.5 | 36.7 | | Sqm | 1 | 6.2 | 0.75 | | 4.65 | | | |
| | | R H S | | | | | | | | | |
| 0 | 10.7 | 10.7 to 24.8 no slab | | | | | | | | | |
| 24.8 | 37 | | Sqm | 1 | 12.2 | 0.9 | | 10.98 | | | |
| 49.7 | 61.9 | | Sqm | 1 | 12.2 | 0.75 | | 9.15 | | | |
| | | **1st main rightside** | | | | | | | | | |
| | | **1st cross** | | | | | | | | | |
| | | L H S | | | | | | | | | |
| 0 | 10.6 | | Sqm | 1 | 10.6 | 0.75 | | 7.95 | | | |
| | | | | | | | | | | | |
| | | **1st main left side** | | | | | | | | | |
| | | **3rd cross** | | | | | | | | | |
| | | L H S | | | | | | | | | |
| 0 | 15 | | Sqm | 1 | 15 | 0.75 | | 11.25 | | | |
| 15 | 18 | | Sqm | 1 | 3 | 0.75 | | 2.25 | | | |
| | | R H S | | | | | | | | | |
| 0 | 15 | | Sqm | 1 | 15 | 0.75 | | 11.25 | | | |
| 15 | 17.4 | | Sqm | 1 | 2.4 | 0.75 | | 1.80 | | | |
| | | **1st main left side** | | | | | | | | | |
| | | **4th cross** | | | | | | | | | |
| | | **L H S** | | | | | | | | | |
| 0 | 3.8 | 3.8 to 10.8 no slab | Sqm | 1 | 3.8 | 0.75 | | 2.85 | | | |
| 10.8 | 18.8 | | Sqm | 1 | 8 | 0.75 | | 6.00 | | | |
| 74.8 | 85.2 | 18.8 to 74.8 no slab | Sqm | 1 | 10.4 | 0.9 | | 9.36 | | | |
| 0 | 0 | R H S | | | | | | | | | |

Asst. Executive Engineer
Byatarayanapura Sub Division
KRIDL, BBMP, Bangalore

PRASAD CONSULTANTS BANGALORE

Assistant Executive Engineer

**BRUHAT BANGALORE MAHANAGARA PALIKE**

**NAME OF WORK:Improvements to roads and drains at singapura and sorrounding areas in ward no 11 in Kuvempunagara**

**MEASUREMENT SHEET**

**FIRST AND FINAL BILL**

| Chainage From | Chainage To | Description of Item | Unit | No | Lengt (m) | Breadth (m) | Depth (m) | Quantity | Rate in RS. | Amount in RS. | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 15 | | Sqm | 1 | 15 | 0.9 | | 13.50 | | | |
| 15 | 30 | | Sqm | 1 | 15 | 0.9 | | 13.50 | | | |
| 62.2 | 77.2 | 30 to 62.2 | Sqm | 1 | 15 | 0.9 | | 13.50 | | | |
| 77.2 | 81.4 | | Sqm | 1 | 4.2 | 0.9 | | 3.78 | | | |
| | | **2nd main** | | | | | | | | | |
| | | R H S | | | | | | | | | |
| 0 | 11.57 | | Sqm | 1 | 11.57 | 0.9 | | 10.41 | | | |
| 21.07 | 36.07 | 11.57 to 21.07 no slab | Sqm | 1 | 15 | 0.9 | | 13.50 | | | |
| 36.07 | 38.87 | | Sqm | 1 | 2.8 | 0.9 | | 2.52 | | | |
| 56.97 | 60.17 | 38.87 to 56.97no slab | Sqm | 1 | 3.2 | 0.9 | | 2.88 | | | |
| 64.77 | 75.77 | 60.17 to 64.77 no slab | Sqm | 1 | 11 | 0.9 | | 9.90 | | | |
| 93.97 | 99.37 | 75.77 to 93.97 no slab | | | | | | | | | |
| 108.97 | 118.77 | 99.37 to 109 no slab | Sqm | 1 | 9.8 | 0.9 | | 8.82 | | | |
| | | L H S | | | | | | | | | |
| 0 | 15 | | Sqm | 1 | 15 | 0.9 | | 13.50 | | | |
| 15 | 25.1 | 25.1 to 37.9 no slab | Sqm | 1 | 10.1 | 0.9 | | 9.09 | | | |
| 37.9 | 46.9 | | Sqm | 1 | 9 | 0.9 | | 8.10 | | | |
| 46.9 | 59.9 | 59.9 to 73.8 no slab | Sqm | 1 | 13 | 0.9 | | 11.70 | | | |
| 73.8 | 78.2 | 78.2 to 83.1 no slab | Sqm | 1 | 4.4 | 0.9 | | 3.96 | | | |
| 83.1 | 98.1 | | Sqm | 1 | 15 | 0.9 | | 13.50 | | | |
| 98.1 | 113.1 | | Sqm | 1 | 15 | 0.9 | | 13.50 | | | |
| 113.1 | 114.2 | | Sqm | 1 | 1.1 | 0.9 | | 0.99 | | | |
| | | 4th main | | | | | | | | | |
| 0 | 9.7 | 9.7 to 28.6 no slab | Sqm | 1 | 9.7 | 0.9 | | 8.73 | | | |
| 28.6 | 38.6 | 38.6 to 48.6 no slab | Sqm | 1 | 10 | 0.9 | | 9.00 | | | |
| 48.6 | 57.4 | | Sqm | 1 | 8.8 | 0.9 | | 7.92 | | | |
| 69 | 77.8 | 57.4 to 69 no slab | Sqm | 1 | 8.8 | 0.9 | | 7.92 | | | |
| 77.8 | 84.1 | | Sqm | 1 | 6.3 | 0.9 | | 5.67 | | | |
| 84.1 | 89.7 | | Sqm | 1 | 5.6 | 0.9 | | 5.04 | | | |
| 92.7 | 101.2 | 89.7 to 92.7 no slab | Sqm | 1 | 8.5 | 0.9 | | 7.65 | | | |
| 119.9 | 129.9 | 101.2 to 119.9 no slab | Sqm | 1 | 10 | 0.9 | | 9.00 | | | |
| | | L H S | | | | | | | | | |
| 10.4 | 19.4 | | Sqm | 1 | 9 | 0.9 | | 8.10 | | | |
| 39.6 | 47.8 | 19.4 to 39.6 no slab | Sqm | 1 | 8.2 | 0.9 | | 7.38 | | | |
| 63.8 | 82.2 | 47.8 to 63.8 no slab | Sqm | 1 | 18.4 | 0.9 | | 16.56 | | | |
| 87.2 | 96.9 | 82.2 to 87.2 no slab | Sqm | 1 | 9.7 | 0.9 | | 8.73 | | | |
| 106.2 | 121.2 | 96.9 to 106.2 no slab | Sqm | 1 | 15 | 0.9 | | 13.50 | | | |
| | | New drain | | | | | | | | | |
| | | Singapura layout | | | | | | | | | |
| | | 6th cross | | | | | | | | | |
| | | L H S | | | | | | | | | |
| 34.4 | 46.4 | 0 to 34.4 no slab | Sqm | 1 | 12 | 0.9 | | 10.80 | | | |
| 59 | 70.6 | 46.4 to 59 no slab | Sqm | 1 | 11.6 | 0.9 | | 10.44 | | | |
| | | R H S | | | | | | | | | |
| 0 | 8.6 | | Sqm | 1 | 8.6 | 0.9 | | 7.74 | | | |
| 0 | 15 | | Sqm | 1 | 15 | 0.9 | | 13.50 | | | |
| 15 | 16.5 | | Sqm | 1 | 1.5 | 0.9 | | 1.35 | | | |
| 36.4 | 51.4 | 16.5 to 51.4 no slab | Sqm | 1 | 15 | 0.9 | | 13.50 | | | |
| 51.4 | 54.8 | | Sqm | 1 | 3.4 | 0.9 | | 3.06 | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |

Asst. Executive Engineer,
Byatarayanapura Sub-Division
KRIDL, BBMP, Bangalore

Contactor

RMC

Assistant Engineer

Assistant Executive Engineer

**BRUHAT BANGALORE MAHANAGARA PALIKE**

**NAME OF WORK:Improvements to roads and drains at singapura and sorrounding areas in ward no 11 in Kuvempunagara**

**MEASUREMENT SHEET**

**FIRST AND FINAL BILL**

| Chainage From | Chainage To | Description of Item | Unit | No | Lengt (m) | Breadth (m) | Depth (m) | Quantity | Rate in RS. | Amount in RS. | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | TOTAL | 1197.06 | 2337.00 | 2797536.23 | |
| **Item no.11** | | Providing and fixing pre cast solid cement concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation ete.,complete. As per the direction of Engineer incharge of the work . | | | | | | | | | |
| **Measurements Taken On :** | | | | | | | | | | | |
| | | **Kerb stone** | | | | | | | | | |
| | | Singapura layout | | | | | | | | | |
| | | 2nd main road | | | | | | | | | |
| | | R H S | | | | | | | | | |
| 0 | 15 | | m | 1 | 15 | | | 15.00 | | | |
| 15 | 25.3 | | m | 1 | 10.3 | | | 10.30 | | | |
| 30.4 | 34 | 25.3 to 30.4 no kerb | m | 1 | 3.6 | | | 3.60 | | | |
| 53.8 | 62.5 | 34 to 53.8 no kerb | m | 1 | 8.7 | | | 8.70 | | | |
| 81.5 | 96.5 | 62.5 to 81.5 no kerb | m | 1 | 15 | | | 15.00 | | | |
| 96.5 | 104.9 | 104.9 to 143.4 no kerb | m | 1 | 8.4 | | | 8.40 | | | |
| 143.4 | 147.6 | | | | | | | | | | |
| 150.9 | 156.6 | 147.6 to 150.9 no kerb | m | 1 | 5.7 | | | 5.70 | | | |
| 156.6 | 171.6 | | m | 1 | 15 | | | 15.00 | | | |
| 171.6 | 186.6 | | m | 1 | 15 | | | 15.00 | | | |
| 186.6 | 191.9 | | m | 1 | 5.3 | | | 5.30 | | | |
| 199.3 | 206.7 | 191.9 to 199.3 no kerb | m | 1 | 7.4 | | | 7.40 | | | |
| 210.7 | 225.7 | 206.7 to 210.7 no kerb | | | | | | | | | |
| 225.7 | 232.4 | 225.7 to 236.4 no kerb | | | | | | | | | |
| 236.4 | 250.4 | 250.4 to 277.6 no kerb | m | 1 | 14 | | | 14.00 | | | |
| 277.6 | 292.6 | | m | 1 | 15 | | | 15.00 | | | |
| 292.6 | 305.6 | | m | 1 | 13 | | | 13.00 | | | |
| 308.6 | 312.4 | 305.6 to 308.6 no kerb | m | 1 | 3.8 | | | 3.80 | | | |
| 348.1 | 354.1 | | m | 1 | 6 | | | 6.00 | | | |
| | | L H S | | | | | | | | | |
| 22.7 | 28.7 | 0to 22.7 no kerb | m | 1 | 6 | | | 6.00 | | | |
| 32.7 | 47.7 | 28.7 to 32.7 no kerb | m | 1 | 15 | | | 15.00 | | | |
| 47.7 | 60.5 | | m | 1 | 12.8 | | | 12.80 | | | |
| 64.5 | 79.5 | 60.5 to 64.5 no kerb | m | 1 | 15 | | | 15.00 | | | |
| 79.5 | 85 | | m | 1 | 5.5 | | | 5.50 | | | |
| 101.4 | 110.7 | 85 to 101.4 no kerb | m | 1 | 9.3 | | | 9.30 | | | |
| 121.7 | 136.7 | 110.7 to 121.7 no kerb | m | 1 | 15 | | | 15.00 | | | |
| 146 | 161 | 136.7 to 146 no kerb | m | 1 | 15 | | | 15.00 | | | |
| 161 | 176 | | m | 1 | 15 | | | 15.00 | | | |
| 202.6 | 215 | 176 to 202.6 no kerb | m | 1 | 12.4 | | | 12.40 | | | |
| 220 | 233 | 215 to 238 no kerb | | | | | | | | | |
| 238 | 253 | | m | 1 | 15 | | | 15.00 | | | |
| 267.8 | 281.4 | | m | 1 | 13.6 | | | 13.60 | | | |
| 286.4 | 291.2 | 281.4 to 295.2 no kerb | | | | | | | | | |
| 295.2 | 310.2 | | m | 1 | 15 | | | 15.00 | | | |
| 310.2 | 325.2 | | m | 1 | 15 | | | 15.00 | | | |
| 325.2 | 326.2 | 326.2 to 329.2 no kerb | m | 1 | 1 | | | 1.00 | | | |
| 329.2 | 341.2 | | m | 1 | 12 | | | 12.00 | | | |
| | | 2nd main | | | | | | | | | |
| | | cross road 1 | | | | | | | | | |

Asst. Executive Engineer
Byatarayanapura Sub-Division
KRIDL, BBMP, Bangalore

PRASAD CONSULTANTS BANGALORE

Assistant Engineer

Assistant Executive Engineer

**BRUHAT BANGALORE MAHANAGARA PALIKE**

**NAME OF WORK:Improvements to roads and drains at singapura and sorrounding areas in ward no 11 in Kuvempunagara**

**MEASUREMENT SHEET**

**FIRST AND FINAL BILL**

| Chainage From | Chainage To | Description of Item | Unit | No | Lengt (m) | Breadth (m) | Depth (m) | Quantity | Rate in RS. | Amount in RS. | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | RHS | | | | | | | | | |
| 0 | 5 | | | | | | | | | | |
| 8.3 | 23.3 | 5 to 8.3 no kerb | m | 1 | 15 | | | 15.00 | | | |
| 23.3 | 26.3 | | m | 1 | 3 | | | 3.00 | | | |
| | | LHS | | | | | | | | | |
| 10.2 | 19.2 | | m | 1 | 9 | | | 9.00 | | | |
| | | Singapura layout | | | | | | | | | |
| | | 1st main | | | | | | | | | |
| | | LHS | | | | | | | | | |
| 0 | 15 | | m | 1 | 15 | | | 15.00 | | | |
| 15 | 30 | | m | 1 | 15 | | | 15.00 | | | |
| 30 | 35 | | m | 1 | 5 | | | 5.00 | | | |
| 46.9 | 57.7 | 35 to 46.9 no kerb | m | 1 | 10.8 | | | 10.80 | | | |
| 61.5 | 73.5 | 57.7 to 61.5 no kerb | m | 1 | 12 | | | 12.00 | | | |
| 76.5 | 91.5 | | m | 1 | 15 | | | 15.00 | | | |
| 91.5 | 97.1 | | m | 1 | 5.6 | | | 5.60 | | | |
| 169.9 | 181.8 | 97.1 to 169.9 no kerb | m | 1 | 11.9 | | | 11.90 | | | |
| 185.8 | 198.3 | 181.8 to 185.8 no kerb | m | 1 | 12.5 | | | 12.50 | | | |
| 211.8 | 226.8 | 198.3 to 211.8 no kerb | m | 1 | 15 | | | 15.00 | | | |
| 226.8 | 236.4 | | m | 1 | 9.6 | | | 9.60 | | | |
| 241.4 | 254.4 | 236.4 to 241.4 no kerb | m | 1 | 13 | | | 13.00 | | | |
| | | RHS | | | | | | | | | |
| 0 | 7.7 | | | | | | | | | | |
| 17.5 | 26.5 | 7.7 to 17.5 no kerb | m | 1 | 9 | | | 9.00 | | | |
| 36.1 | 38 | 26.5 to 36.1 no kerb | m | 1 | 1.9 | | | 1.90 | | | |
| 42 | 45.5 | 42 to 49.5 no kerb | | | | | | | | | |
| 49.5 | 52.5 | | m | 1 | 3 | | | 3.00 | | | |
| 61.7 | 70.7 | | m | 1 | 9 | | | 9.00 | | | |
| 133.1 | 142.4 | | m | 1 | 9.3 | | | 9.30 | | | |
| 151.2 | 160.5 | | m | 1 | 9.3 | | | 9.30 | | | |
| 160.5 | 175.5 | | m | 1 | 15 | | | 15.00 | | | |
| 175.5 | 190.5 | | m | 1 | 15 | | | 15.00 | | | |
| 190.5 | 192.1 | | m | 1 | 1.6 | | | 1.60 | | | |
| 196.1 | 210.6 | | | | | | | | | | |
| 214.6 | 223.2 | 192.1 to 214.6 no kerb | | | | | | | | | |
| 227.2 | 237 | | m | 1 | 9.8 | | | 9.80 | | | |
| 241 | 256 | | m | 1 | 15 | | | 15.00 | | | |
| 256 | 262.3 | | m | 1 | 6.3 | | | 6.30 | | | |
| | | Varadappa layout | | | | | | | | | |
| | | 1st main | | | | | | | | | |
| | | RHS | | | | | | | | | |
| 0 | 15 | | m | 1 | 15 | | | 15.00 | | | |
| 15 | 26.9 | | m | 1 | 11.9 | | | 11.90 | | | |
| 35.1 | 39.4 | 26.9 to 35.1 no kerb | m | 1 | 4.3 | | | 4.30 | | | |
| 49.4 | 62.3 | 39.4 to 49.4 no kerb | m | 1 | 12.9 | | | 12.90 | | | |
| 62.3 | 77.3 | | m | 1 | 15 | | | 15.00 | | | |
| 77.3 | 81.9 | | m | 1 | 4.6 | | | 4.60 | | | |
| | | LHS | | | | | | | | | |
| 0 | 8.8 | | m | 1 | 8.8 | | | 8.80 | | | |
| 14.8 | 29.8 | 8.8 to 14.8no kerb | m | 1 | 15 | | | 15.00 | | | |
| 29.8 | 39.6 | | m | 1 | 9.8 | | | 9.80 | | | |
| | | 1st main rightside | | | | | | | | | |

Asst. Executive Engineer,
yatarayanapura Sub-Division
KRIDL, BBMP, Bangalore

Assistant Engineer

Assistant Executive Engineer

**BRUHAT BANGALORE MAHANAGARA PALIKE**

**NAME OF WORK:Improvements to roads and drains at singapura and sorrounding areas in ward no 11 in Kuvempunagara**

**MEASUREMENT SHEET**

**FIRST AND FINAL BILL**

| Chainage From | Chainage To | Description of Item | Unit | No | Lengt (m) | Breadth (m) | Depth (m) | Quantity | Rate in RS. | Amount in RS. | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 3rd cross | | | | | | | | | |
| | | R H S | | | | | | | | | |
| 0 | 11.2 | | m | 1 | 11.2 | | | 11.20 | | | |
| | | L H S | | | | | | 0.00 | | | |
| 8.8 | 23.8 | 0 to 8.8 no kerb | m | 1 | 15 | | | 15.00 | | | |
| 23.8 | 38.8 | | m | 1 | 15 | | | 15.00 | | | |
| 38.8 | 51.2 | | | | | | | | | | |
| | | **1st main rightside** | | | | | | | | | |
| | | 2nd cross | | | | | | | | | |
| | | L H S | | | | | | | | | |
| 0 | 10.2 | 10.2 to 14.2 no kerb | m | 1 | 10.2 | | | 10.20 | | | |
| 14.2 | 18.5 | | | | | | | | | | |
| 18.5 | 30.5 | | m | 1 | 12 | | | 12.00 | | | |
| 30.5 | 36.7 | | | | | | | | | | |
| | | R H S | | | | | | | | | |
| 0 | 10.7 | 10.7 to 24.8 no kerb | | | | | | | | | |
| 24.8 | 37 | | | | | | | | | | |
| 49.7 | 61.9 | | m | 1 | 12.2 | | | 12.20 | | | |
| | | **1st main rightside** | | | | | | | | | |
| | | **1st cross** | | | | | | | | | |
| | | L H S | | | | | | | | | |
| 0 | 10.6 | | m | 1 | 10.6 | | | 10.60 | | | |
| | | | | | | | | | | | |
| | | **1st main left side** | | | | | | | | | |
| | | **3rd cross** | | | | | | | | | |
| | | L H S | | | | | | | | | |
| 0 | 15 | | m | 1 | 15 | | | 15.00 | | | |
| 15 | 18 | | m | 1 | 3 | | | 3.00 | | | |
| | | R H S | | | | | | | | | |
| 0 | 15 | | m | 1 | 15 | | | 15.00 | | | |
| 15 | 17.4 | | m | 1 | 2.4 | | | 2.40 | | | |
| | | **1st main left side** | | | | | | | | | |
| | | **4th cross** | | | | | | | | | |
| | | **L H S** | | | | | | | | | |
| 0 | 3.8 | 3.8 to 10.8 no kerb | m | 1 | 3.8 | | | 3.80 | | | |
| 10.8 | 18.8 | | m | 1 | 8 | | | 8.00 | | | |
| 74.8 | 85.2 | 18.8 to 74.8 no kerb | m | 1 | 10.4 | | | 10.40 | | | |
| | | R H S | | | | | | | | | |
| 0 | 15 | | m | 1 | 15 | | | 15.00 | | | |
| 15 | 30 | | m | 1 | 15 | | | 15.00 | | | |
| 62.2 | 77.2 | 30 to 62.2 | m | 1 | 15 | | | 15.00 | | | |
| 77.2 | 81.4 | | m | 1 | 4.2 | | | 4.20 | | | |
| | | **2nd main** | | | | | | | | | |
| | | R H S | | | | | | | | | |
| 0 | 11.57 | | m | 1 | 11.57 | | | 11.57 | | | |
| 21.07 | 36.07 | 11.57 to 21.07 no kerb | m | 1 | 15 | | | 15.00 | | | |
| 36.07 | 38.87 | | m | 1 | 2.8 | | | 2.80 | | | |
| 56.97 | 60.17 | 38.87 to 56.97 no kerb | m | 1 | 3.2 | | | 3.20 | | | |
| 64.77 | 75.77 | 60.17 to 64.77 no kerb | m | 1 | 11 | | | 11.00 | | | |

PRASAD CONSULTANTS BANGALORE

Asst. Executive Engineer
Byatarayanapura Sub-Division
KRIDL, BBMP, Bangalore

Assistant Executive Engineer

**BRUHAT BANGALORE MAHANAGARA PALIKE**

**NAME OF WORK:Improvements to roads and drains at singapura and sorrounding areas in ward no 11 in Kuvempunagara**

**MEASUREMENT SHEET**

**FIRST AND FINAL BILL**

| Chainage From | Chainage To | Description of Item | Unit | No | Lengt (m) | Breadth (m) | Depth (m) | Quantity | Rate in RS. | Amount in RS. | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 93.97 | 99.37 | 75.77 to 93.97 no kerb | | | | | | | | | |
| 108.97 | 118.77 | 99.37 to 109no kerb | m | 1 | 9.8 | | | 9.80 | | | |
| | | L H S | | | | | | | | | |
| 0 | 15 | | m | 1 | 15 | | | 15.00 | | | |
| 15 | 25.1 | 25.1 to 37.9 no kerb | m | 1 | 10.1 | | | 10.10 | | | |
| 37.9 | 46.9 | | m | 1 | | | | | | | |
| 46.9 | 59.9 | 59.9 to 73.8 no kerb | m | 1 | 13 | | | 13.00 | | | |
| 73.8 | 78.2 | 78.2 to 83.1 no kerb | m | 1 | 4.4 | | | 4.40 | | | |
| 83.1 | 98.1 | | m | 1 | 15 | | | 15.00 | | | |
| 98.1 | 113.1 | | m | 1 | 15 | | | 15.00 | | | |
| 113.1 | 114.2 | | m | 1 | 1.1 | | | 1.10 | | | |
| | | 4th main | | | | | | | | | |
| 0 | 9.7 | 9.7 to 28.6 no kerb | m | 1 | 9.7 | | | 9.70 | | | |
| 28.6 | 38.6 | 38.6 to 48.6 no kerb | m | 1 | 10 | | | 10.00 | | | |
| 48.6 | 57.4 | | m | 1 | 8.8 | | | 8.80 | | | |
| 69 | 77.8 | 57.4 to 69 no kerb | m | 1 | 8.8 | | | 8.80 | | | |
| 77.8 | 84.1 | | m | 1 | 6.3 | | | 6.30 | | | |
| 84.1 | 89.7 | | m | 1 | 5.6 | | | 5.60 | | | |
| 92.7 | 101.2 | 89.7 to 92.7 no kerb | m | 1 | 8.5 | | | 8.50 | | | |
| 119.9 | 129.9 | 101.2 to 119.9 no kerb | m | 1 | 10 | | | 10.00 | | | |
| | | L H S | | | | | | | | | |
| 10.4 | 19.4 | | m | 1 | 9 | | | 9.00 | | | |
| 39.6 | 47.8 | 19.4 to 39.6 no kerb | m | 1 | 8.2 | | | 8.20 | | | |
| 63.8 | 82.2 | 47.8 to 63.8 no kerb | m | 1 | 18.4 | | | 18.40 | | | |
| 87.2 | 96.9 | 82.2 to 87.2 no kerb | m | 1 | 9.7 | | | 9.70 | | | |
| 106.2 | 121.2 | 96.9 to 106.2 no kerb | m | 1 | 15 | | | 15.00 | | | |
| | | | | | | | | | | | |
| | | | | | | TOTAL | | 1170.67 | | | |
| | | | | | | 1115.47/0.45 | | 2601.49 | | | |
| | | | | | | | TOTAL | 2601 | 432.48 | 1125091.91 | |

| | |
|---|---|
| **Item no.12** | Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8 Specification As per the direction of Engineer incharge of the work . |
| **Measurements Taken On :** | |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Kerb stone | | | | | | | | | |
| | | Singapura layout | | | | | | | | | |
| | | 2nd main road | | | | | | | | | |
| | | R H S | | | | | | | | | |
| 0 | 15 | | Sqm | 1 | 15.00 | | 0.35 | 5.25 | | | |
| 15 | 25.3 | | Sqm | 1 | 10.30 | | 0.35 | 3.605 | | | |
| 30.4 | 34 | 25.3 to 30.4 no kerb | Sqm | 1 | 3.60 | | 0.35 | 1.26 | | | |
| 53.8 | 62.5 | 34 to 53.8 no kerb | Sqm | 1 | 8.70 | | 0.35 | 3.045 | | | |
| 81.5 | 96.5 | 62.5 to 81.5 no kerb | Sqm | 1 | 15.00 | | 0.35 | 5.25 | | | |
| 96.5 | 104.9 | 104.9 to 143.4 no kerb | Sqm | 1 | 8.40 | | 0.35 | 2.94 | | | |
| 143.4 | 147.6 | | | | | | | | | | |
| 150.9 | 156.6 | 147.6 to 150.9 no kerb | Sqm | 1 | 5.70 | | 0.35 | 1.995 | | | |
| 156.6 | 171.6 | | Sqm | 1 | 15.00 | | 0.35 | 5.25 | | | |
| 171.6 | 186.6 | | Sqm | 1 | 15.00 | | 0.35 | 5.25 | | | |

Asst. Executive Engineer
yatarayanapura Sub-Division
KRIDL - BBMP, Bangalore

PRASAD CONSULTANTS BANGALORE PMC

Assistant Engineer

Assistant Executive Engineer

**BRUHAT BANGALORE MAHANAGARA PALIKE**

**NAME OF WORK:Improvements to roads and drains at singapura and sorrounding areas in ward no 11 in Kuvempunagara**

**MEASUREMENT SHEET**

**FIRST AND FINAL BILL**

| Chainage From | Chainage To | Description of Item | Unit | No | Lengt (m) | Breadth (m) | Depth (m) | Quantity | Rate in RS. | Amount in RS. | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 186.6 | 191.9 | | Sqm | 1 | 5.30 | | 0.35 | 1.855 | | | |
| 199.3 | 206.7 | 191.9 to 199.3 no kerb | Sqm | 1 | 7.40 | | 0.35 | 2.59 | | | |
| 210.7 | 225.7 | 206.7 to 210.7 no kerb | | | | | | | | | |
| 225.7 | 232.4 | 225.7 to 236.4 no kerb | | | | | | | | | |
| 236.4 | 250.4 | 250.4 to 277.6 no kerb | Sqm | 1 | 14.00 | | 0.35 | 4.9 | | | |
| 277.6 | 292.6 | | Sqm | 1 | 15.00 | | 0.35 | 5.25 | | | |
| 292.6 | 305.6 | | Sqm | 1 | 13.00 | | 0.35 | 4.55 | | | |
| 308.6 | 312.4 | 305.6 to 308.6 no kerb | Sqm | 1 | 3.80 | | 0.35 | 1.33 | | | |
| 348.1 | 354.1 | | Sqm | 1 | 6.00 | | 0.35 | 2.1 | | | |
| | | L H S | | | | | | | | | |
| 22.7 | 28.7 | 0to 22.7 no kerb | Sqm | 1 | 6.00 | | 0.35 | 2.1 | | | |
| 32.7 | 47.7 | 28.7 to 32.7 no kerb | Sqm | 1 | 15.00 | | 0.35 | 5.25 | | | |
| 47.7 | 60.5 | | Sqm | 1 | 12.80 | | 0.35 | 4.48 | | | |
| 64.5 | 79.5 | 60.5 to 64.5 no kerb | Sqm | 1 | 15.00 | | 0.35 | 5.25 | | | |
| 79.5 | 85 | | Sqm | 1 | 5.50 | | 0.35 | 1.925 | | | |
| 101.4 | 110.7 | 85 to 101.4 no kerb | Sqm | 1 | 9.30 | | 0.35 | 3.255 | | | |
| 121.7 | 136.7 | 110.7 to 121.7 no kerb | Sqm | 1 | 15.00 | | 0.35 | 5.25 | | | |
| 146 | 161 | 136.7 to 146 no kerb | Sqm | 1 | 15.00 | | 0.35 | 5.25 | | | |
| 161 | 176 | | Sqm | 1 | 15.00 | | 0.35 | 5.25 | | | |
| 202.6 | 215 | 176 to 202.6 no kerb | Sqm | 1 | 12.40 | | 0.35 | 4.34 | | | |
| 220 | 233 | 215 to 238 no kerb | | | | | | | | | |
| 238 | 253 | | Sqm | 1 | 15.00 | | 0.35 | 5.25 | | | |
| 267.8 | 281.4 | | Sqm | 1 | 13.60 | | 0.35 | 4.76 | | | |
| 286.4 | 291.2 | 281.4 to 295.2 no kerb | | | | | | | | | |
| 295.2 | 310.2 | | Sqm | 1 | 15.00 | | 0.35 | 5.25 | | | |
| 310.2 | 325.2 | | Sqm | 1 | 15.00 | | 0.35 | 5.25 | | | |
| 325.2 | 326.2 | 326.2 to 329.2 no kerb | Sqm | 1 | 1.00 | | 0.35 | 0.35 | | | |
| 329.2 | 341.2 | | Sqm | 1 | 12.00 | | 0.35 | 4.2 | | | |
| | | 2nd main | | | | | | | | | |
| | | cross road 1 | | | | | | | | | |
| | | R H S | | | | | | | | | |
| 0 | 5 | | | | | | | | | | |
| 8.3 | 23.3 | 5 to 8.3 no kerb | Sqm | 1 | 15.00 | | 0.35 | 5.25 | | | |
| 23.3 | 26.3 | | Sqm | 1 | 3.00 | | 0.35 | 1.05 | | | |
| | | L H S | | | | | | | | | |
| 10.2 | 19.2 | | Sqm | 1 | 9.00 | | 0.35 | 3.15 | | | |
| | | Singapura layout | | | | | | | | | |
| | | 1st main | | | | | | | | | |
| | | L H S | | | | | | | | | |
| 0 | 15 | | Sqm | 1 | 15.00 | | 0.35 | 5.25 | | | |
| 15 | 30 | | Sqm | 1 | 15.00 | | 0.35 | 5.25 | | | |
| 30 | 35 | | Sqm | 1 | 5.00 | | 0.35 | 1.75 | | | |
| 46.9 | 57.7 | 35 to 46.9 no kerb | Sqm | 1 | 10.80 | | 0.35 | 3.78 | | | |
| 61.5 | 73.5 | 57.7 to 61.5 no kerb | Sqm | 1 | 12.00 | | 0.35 | 4.2 | | | |
| 76.5 | 91.5 | | Sqm | 1 | 15.00 | | 0.35 | 5.25 | | | |
| 91.5 | 97.1 | | Sqm | 1 | 5.60 | | 0.35 | 1.96 | | | |
| 169.9 | 181.8 | 97.1 to 169.9 no kerb | Sqm | 1 | 11.90 | | 0.35 | 4.165 | | | |
| 185.8 | 198.3 | 181.8 to 185.8 no kerb | Sqm | 1 | 12.50 | | 0.35 | 4.375 | | | |
| 211.8 | 226.8 | 198.3 to 211.8 no kerb | Sqm | 1 | 15.00 | | 0.35 | 5.25 | | | |
| 226.8 | 236.4 | | Sqm | 1 | 9.60 | | 0.35 | 3.36 | | | |
| 241.4 | 254.4 | 236.4 to 241.4 no kerb | Sqm | 1 | 13.00 | | 0.35 | 4.55 | | | |
| | | R H S | | | | | | | | | |

Asst. Executive Engineer,
yatarayanapura Sub-Division
KRIDL, BBMP, Bangalore

BANGALORE

Assistant Engineer

Assistant Executive Engineer

**BRUHAT BANGALORE MAHANAGARA PALIKE**

**NAME OF WORK:Improvements to roads and drains at singapura and sorrounding areas in ward no 11 in Kuvempunagara**

**MEASUREMENT SHEET**

**FIRST AND FINAL BILL**

| Chainage From | Chainage To | Description of Item | Unit | No | Lengt (m) | Breadth (m) | Depth (m) | Quantity | Rate in RS. | Amount in RS. | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 7.7 | | | | | | | | | | |
| 17.5 | 26.5 | 7.7 to 17.5 no kerb | Sqm | 1 | 9.00 | | 0.35 | 3.15 | | | |
| 36.1 | 38 | 26.5 to 36.1 no kerb | Sqm | 1 | 1.90 | | 0.35 | 0.665 | | | |
| 42 | 45.5 | 42 to 49.5 no kerb | | | | | | | | | |
| 49.5 | 52.5 | | Sqm | 1 | 3.00 | | 0.35 | 1.05 | | | |
| 61.7 | 70.7 | | Sqm | 1 | 9.00 | | 0.35 | 3.15 | | | |
| 133.1 | 142.4 | | Sqm | 1 | 9.30 | | 0.35 | 3.255 | | | |
| 151.2 | 160.5 | | Sqm | 1 | 9.30 | | 0.35 | 3.255 | | | |
| 160.5 | 175.5 | | Sqm | 1 | 15.00 | | 0.35 | 5.25 | | | |
| 175.5 | 190.5 | | Sqm | 1 | 15.00 | | 0.35 | 5.25 | | | |
| 190.5 | 192.1 | | Sqm | 1 | 1.60 | | 0.35 | 0.56 | | | |
| 196.1 | 210.6 | 192.1 to 241 no kerb | | | | | | | | | |
| 214.6 | 223.2 | | | | | | | | | | |
| 227.2 | 237 | | Sqm | 1 | 9.80 | | 0.35 | 3.43 | | | |
| 241 | 256 | | Sqm | 1 | 15.00 | | 0.35 | 5.25 | | | |
| 256 | 262.3 | | Sqm | 1 | 6.30 | | 0.35 | 2.205 | | | |
| | | Varadappa layout | | | | | | | | | |
| | | 1st main | | | | | | | | | |
| | | R H S | | | | | | | | | |
| 0 | 15 | | Sqm | 1 | 15.00 | | 0.35 | 5.25 | | | |
| 15 | 26.9 | | Sqm | 1 | 11.90 | | 0.35 | 4.165 | | | |
| 35.1 | 39.4 | 26.9 to 35.1 no kerb | Sqm | 1 | 4.30 | | 0.35 | 1.505 | | | |
| 49.4 | 62.3 | 39.4 to 49.4 no kerb | Sqm | 1 | 12.90 | | 0.35 | 4.515 | | | |
| 62.3 | 77.3 | | Sqm | 1 | 15.00 | | 0.35 | 5.25 | | | |
| 77.3 | 81.9 | | Sqm | 1 | 4.60 | | 0.35 | 1.61 | | | |
| | | L H S | | | | | | | | | |
| 0 | 8.8 | | Sqm | 1 | 8.80 | | 0.35 | 3.08 | | | |
| 14.8 | 29.8 | 8.8 to 14.8 no kerb | Sqm | 1 | 15.00 | | 0.35 | 5.25 | | | |
| 29.8 | 39.6 | | Sqm | 1 | 9.80 | | 0.35 | 3.43 | | | |
| | | 1st main rightside | | | | | | | | | |
| | | 3rd cross | | | | | | | | | |
| | | R H S | | | | | | | | | |
| 0 | 11.2 | | Sqm | 1 | 11.20 | | 0.35 | 3.92 | | | |
| | | L H S | | | | | | | | | |
| 8.8 | 23.8 | 0 to 8.8 no kerb | Sqm | 1 | 15.00 | | 0.35 | 5.25 | | | |
| 23.8 | 38.8 | | Sqm | 1 | 15.00 | | 0.35 | 5.25 | | | |
| 38.8 | 51.2 | | | | | | | | | | |
| | | **1st main rightside** | | | | | | | | | |
| | | 2nd cross | | | | | | | | | |
| | | L H S | Sqm | | | | | | | | |
| 0 | 10.2 | 10.2 to 14.2 no kerb | Sqm | 1 | 10.20 | | 0.35 | 3.57 | | | |
| 14.2 | 18.5 | | Sqm | | | | | | | | |
| 18.5 | 30.5 | | Sqm | 1 | 12.00 | | 0.35 | 4.2 | | | |
| 30.5 | 36.7 | | | | | | | | | | |
| | | R H S | | | | | | | | | |
| 0 | 10.7 | 10.7 to 24.8 no kerb | | | | | | | | | |
| 24.8 | 37 | | | | | | | | | | |
| 49.7 | 61.9 | | Sqm | 1 | 12.20 | | 0.35 | 4.27 | | | |
| | | **1st main rightside** | | | | | | | | | |
| | | **1st cross** | | | | | | | | | |
| | | L H S | | | | | | | | | |
| 0 | 10.6 | | Sqm | 1 | 10.60 | | 0.35 | 3.71 | | | |

Asst. Executive Engineer,
Byatarayanapura Sub-Division
KRIDL, BBMP, Bangalore

PRASAD CONSULTANTS BANGALORE

Assistant Engineer

Assistant Executive Engineer

**BRUHAT BANGALORE MAHANAGARA PALIKE**

**NAME OF WORK:Improvements to roads and drains at singapura and sorrounding areas in ward no 11 in Kuvempunagara**

**MEASUREMENT SHEET**

**FIRST AND FINAL BILL**

| Chainage From | Chainage To | Description of Item | Unit | No | Lengt (m) | Breadth (m) | Depth (m) | Quantity | Rate in RS. | Amount in RS. | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | |
| | | **1st main left side** | | | | | | | | | |
| | | **3rd cross** | | | | | | | | | |
| | | L H S | | | | | | | | | |
| 0 | 15 | | Sqm | 1 | 15.00 | | 0.35 | 5.25 | | | |
| 15 | 18 | | Sqm | 1 | 3.00 | | 0.35 | 1.05 | | | |
| | | R H S | Sqm | | | | | | | | |
| 0 | 15 | | Sqm | 1 | 15.00 | | 0.35 | 5.25 | | | |
| 15 | 17.4 | | Sqm | 1 | 2.40 | | 0.35 | 0.84 | | | |
| 0 | 0 | **1st main left side** | | | | | | | | | |
| | | **4th cross** | | | | | | | | | |
| | | **L H S** | | | | | | | | | |
| 0 | 3.8 | 3.8 to 10.8 no kerb | Sqm | 1 | 3.80 | | 0.35 | 1.33 | | | |
| 10.8 | 18.8 | | Sqm | 1 | 8.00 | | 0.35 | 2.8 | | | |
| 74.8 | 85.2 | 18.8 to 74.8 no kerb | Sqm | 1 | 10.40 | | 0.35 | 3.64 | | | |
| | | R H S | | | | | | | | | |
| 0 | 15 | | Sqm | 1 | 15.00 | | 0.35 | 5.25 | | | |
| 15 | 30 | | Sqm | 1 | 15.00 | | 0.35 | 5.25 | | | |
| 62.2 | 77.2 | 30 to 62.2 no kerb | Sqm | 1 | 15.00 | | 0.35 | 5.25 | | | |
| 77.2 | 81.4 | | Sqm | 1 | 4.20 | | 0.35 | 1.47 | | | |
| | | **2nd main** | | | | | | | | | |
| | | R H S | | | | | | | | | |
| 0 | 11.57 | | Sqm | 1 | 11.57 | | 0.35 | 4.0495 | | | |
| 21.07 | 36.07 | 11.57 to 21.07 no kerb | Sqm | 1 | 15.00 | | 0.35 | 5.25 | | | |
| 36.07 | 38.87 | | Sqm | 1 | 2.80 | | 0.35 | 0.98 | | | |
| 56.97 | 60.17 | 38.87 to 56.97 no kerb | Sqm | 1 | 3.20 | | 0.35 | 1.12 | | | |
| 64.77 | 75.77 | 60.17 to 64.77 no kerb | Sqm | 1 | 11.00 | | 0.35 | 3.85 | | | |
| 93.97 | 99.37 | 75.77 to 108.97 no kerb | | | | | | | | | |
| 108.97 | 118.77 | | Sqm | 1 | 9.80 | | 0.35 | 3.43 | | | |
| | | L H S | | | | | | | | | |
| 0 | 15 | | Sqm | 1 | 15.00 | | 0.35 | 5.25 | | | |
| 15 | 25.1 | 25.1 to 37.9 no kerb | Sqm | 1 | 10.10 | | 0.35 | 3.535 | | | |
| 37.9 | 46.9 | | | | | | | | | | |
| 46.9 | 59.9 | 59.9 to 73.8 no kerb | Sqm | 1 | 13.00 | | 0.35 | 4.55 | | | |
| 73.8 | 78.2 | 78.2 to 83.1 no kerb | Sqm | 1 | 4.40 | | 0.35 | 1.54 | | | |
| 83.1 | 98.1 | | Sqm | 1 | 15.00 | | 0.35 | 5.25 | | | |
| 98.1 | 113.1 | | Sqm | 1 | 15.00 | | 0.35 | 5.25 | | | |
| 113.1 | 114.2 | | Sqm | 1 | 1.10 | | 0.35 | 0.385 | | | |
| | | 4th main | | | | | | | | | |
| 0 | 9.7 | 9.7 to 28.6 no kerb | Sqm | 1 | 9.70 | | 0.35 | 3.395 | | | |
| 28.6 | 38.6 | 38.6 to 48.6 no kerb | Sqm | 1 | 10.00 | | 0.35 | 3.5 | | | |
| 48.6 | 57.4 | | Sqm | 1 | 8.80 | | 0.35 | 3.08 | | | |
| 69 | 77.8 | 57.4 to 69 no kerb | Sqm | 1 | 8.80 | | 0.35 | 3.08 | | | |
| 77.8 | 84.1 | | Sqm | 1 | 6.30 | | 0.35 | 2.205 | | | |
| 84.1 | 89.7 | | Sqm | 1 | 5.60 | | 0.35 | 1.96 | | | |
| 92.7 | 101.2 | 89.7 to 92.7 no kerb | Sqm | 1 | 8.50 | | 0.35 | 2.975 | | | |
| 119.9 | 129.9 | 101.2 to 119.9 no kerb | Sqm | 1 | 10.00 | | 0.35 | 3.5 | | | |
| | | L H S | | | | | | | | | |

Asst. Executive Engineer
Byatarayanapura Sub-Division
KRIDL, BBMP, Bangalore

PRASAD CONSULTANTS BANGALORE

Contractor PMC Assistant Engineer Assistant Executive Engineer

**BRUHAT BANGALORE MAHANAGARA PALIKE**

**NAME OF WORK:Improvements to roads and drains at singapura and sorrounding areas in ward no 11 in Kuvempunagara**

**MEASUREMENT SHEET**

**FIRST AND FINAL BILL**

| Chainage From | Chainage To | Description of Item | Unit | No | Lengt (m) | Breadth (m) | Depth (m) | Quantity | Rate in RS. | Amount in RS. | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 10.4 | 19.4 | | Sqm | 1 | 9.00 | | 0.35 | 3.15 | | | |
| 39.6 | 47.8 | 19.4 to 39.6 no kerb | Sqm | 1 | 8.20 | | 0.35 | 2.87 | | | |
| 63.8 | 82.2 | 47.8 to 63.8 no kerb | Sqm | 1 | 18.40 | | 0.35 | 6.44 | | | |
| 87.2 | 96.9 | 82.2 to 87.2 no kerb | Sqm | 1 | 9.70 | | 0.35 | 3.395 | | | |
| 106.2 | 121.2 | 96.9 to 106.2 no kerb | Sqm | 1 | 15.00 | | 0.35 | 5.25 | | | |
| | | | | | | | **TOTAL** | **409.73** | **84.80** | **34745.49** | |
| | | | | | | | | | **SUB TOTAL AMOUNT** | **8363585.79** | |
| | | | | | | | | | **Add KRIDL @ 4%** | **334543.43** | |
| | | | | | | | | | **Add GST @ 12%** | **1003630.29** | |
| | | | | | | | | | **TOTAL AMOUNT** | **9701759.52** | |

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PRASAD CONSULTANTS BANGALORE

Assistant Engineer